



#7

SEQUENCE LISTING

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Parekh, Rajesh Bhikhu
Patel, Thakorhhai Parshotambhai
Rohlff, Christian

<120> DPI-6, A PUTATIVE THERAPEUTIC TARGET AND BIOMARKER IN NEUROPSYCHIATRIC AND
NEUROLOGICAL DISORDERS

<130> 2543-1-008/PCT US

<140> US 10/051,618
<141> 2001-10-24

<150> GB 0004412.3
<151> 2000-02-24

<150> GB 0004415.6
<151> 2000-02-24

<150> GB 0006285.2
<151> 2000-03-15

<150> GB 0028734.2
<151> 2000-11-24

<150> US 09/724,391
<151> 2000-11-28

<150> US 09/750,395
<151> 2000-11-28

<150> GB 0030050.9
<151> 2000-12-08

<150> US 60/254,830
<151> 2000-12-12

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<170> PatentIn version 3.0

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| Met Gln Arg Leu Gly Ala | |
| 1 5 | |
| acc ctg ctg tgc ctg ctg ctg gcg gcg gcg gtc ccc acg gcc ccc gcg | 103 |
| Thr Leu Leu Cys Leu Leu Leu Ala Ala Ala Val Pro Thr Ala Pro Ala | |
| 10 15 20 | |
| ccc gct ccg acg gcg acc tcg gct cca gtc aag ccc ggc ccg gct ctc | 151 |
| Pro Ala Pro Thr Ala Thr Ser Ala Pro Val Lys Pro Gly Pro Ala Leu | |
| 25 30 35 | |
| agc tac ccg cag gag gag gcc acc ctc aat gag atg ttc cgc gag gtt | 199 |
| Ser Tyr Pro Gln Glu Glu Ala Thr Leu Asn Glu Met Phe Arg Glu Val | |
| 40 45 50 | |
| gag gaa ctg atg gag gac acg cag cac aaa ttg cgc agc gcg gtg gaa | 247 |
| Glu Glu Leu Met Glu Asp Thr Gln His Lys Leu Arg Ser Ala Val Glu | |
| 55 60 65 70 | |
| gag atg gag gca gaa gaa gct gct gct aaa gca tca tca gaa gtg aac | 295 |
| Glu Met Glu Ala Glu Glu Ala Ala Ala Lys Ala Ser Ser Glu Val Asn | |
| 75 80 85 | |
| ctg gca aac tta cct ccc agc tat cac aat gag acc aac aca gac acg | 343 |
| Leu Ala Asn Leu Pro Pro Ser Tyr His Asn Glu Thr Asn Thr Asp Thr | |
| 90 95 100 | |
| aag gtt gga aat aat acc atc cat gtg cac cga gaa att cac aag ata | 391 |
| Lys Val Gly Asn Asn Thr Ile His Val His Arg Glu Ile His Lys Ile | |
| 105 110 115 | |
| acc aac aac cag act gga caa atg gtc ttt tca gag aca gtt atc aca | 439 |
| Thr Asn Asn Gln Thr Gly Gln Met Val Phe Ser Glu Thr Val Ile Thr | |
| 120 125 130 | |
| tct gtg gga gac gaa gaa ggc aga agg agc cac gag tgc atc atc gac | 487 |
| Ser Val Gly Asp Glu Glu Gly Arg Arg Ser His Glu Cys Ile Ile Asp | |
| 135 140 145 150 | |
| gag gac tgt ggg ccc agc atg tac tgc cag ttt gcc agc ttc cag tac | 535 |
| Glu Asp Cys Gly Pro Ser Met Tyr Cys Gln Phe Ala Ser Phe Gln Tyr | |
| 155 160 165 | |
| acc tgc cag cca tgc cgg ggc cag agg atg ctc tgc acc cgg gac agt | 583 |
| Thr Cys Gln Pro Cys Arg Gly Gln Arg Met Leu Cys Thr Arg Asp Ser | |
| 170 175 180 | |
| gag tgc tgt gga gac cag ctg tgt gtc tgg ggt cac tgc acc aaa atg | 631 |
| Glu Cys Cys Gly Asp Gln Leu Cys Val Trp Gly His Cys Thr Lys Met | |
| 185 190 195 | |
| gcc acc agg ggc agc aat ggg acc atc tgt gac aac cag agg gac tgc | 679 |
| Ala Thr Arg Gly Ser Asn Gly Thr Ile Cys Asp Asn Gln Arg Asp Cys | |
| 200 205 210 | |

| | |
|---|------|
| cag ccg ggg ctg tgc tgt gcc ttc cag aga ggc ctg ctg ttc cct gtg Gln Pro Gly Leu Cys Cys Ala Phe Gln Arg Gly Leu Leu Phe Pro Val 215 220 225 230 | 727 |
| tgc aca ccc ctg ccc gtg gag ggc gag ctt tgc cat gac ccc gcc agc Cys Thr Pro Leu Pro Val Glu Gly Glu Leu Cys His Asp Pro Ala Ser 235 240 245 | 775 |
| cgg ctt ctg gac ctc atc acc tgg gag cta gag cct gat gga gcc ttg Arg Leu Leu Asp Leu Ile Thr Trp Glu Leu Glu Pro Asp Gly Ala Leu 250 255 260 | 823 |
| gac cga tgc cct tgt gcc agt ggc ctc ctc tgc cag ccc cac agc cac Asp Arg Cys Pro Cys Ala Ser Gly Leu Leu Cys Gln Pro His Ser His 265 270 275 | 871 |
| agc ctg gtg tat gtg tgc aag ccg acc ttc gtg ggg agc cgt gac caa Ser Leu Val Tyr Val Cys Lys Pro Thr Phe Val Gly Ser Arg Asp Gln 280 285 290 | 919 |
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| gca ctg ctg gga ggg gaa gag att tag atctggacca ggctgtgggt Ala Leu Leu Gly Gly Glu Glu Ile 345 350 | 1110 |
| agatgtgcaa tagaaatagc taattttatct cccangtgt gtgctttaag cgtgggctga | 1170 |
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| ttcacctgc attacatgtg tttattcatc cagcagtgtt gctcagctcc tacctctgtg | 1650 |
| ccagggcagc attttcatat ccaagatcaa ttcctctctc cagcacagcc tggggagggg | 1710 |
| gtcattgttc tcctcgtcca tcagggattt cagaggctca gagactgcaa gctgcttgcc | 1770 |

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| Met | Gln | Arg | Leu | Gly | Ala | Thr | Leu | Leu | Cys | Leu | Leu | Leu | Ala | Ala | Ala | 1 | 5 | 10 | 15 |
| Val | Pro | Thr | Ala | Pro | Ala | Pro | Ala | Pro | Thr | Ala | Thr | Ser | Ala | Pro | Val | 20 | 25 | 30 | |
| Lys | Pro | Gly | Pro | Ala | Leu | Ser | Tyr | Pro | Gln | Glu | Glu | Ala | Thr | Leu | Asn | 35 | 40 | 45 | |
| Glu | Met | Phe | Arg | Glu | Val | Glu | Glu | Leu | Met | Glu | Asp | Thr | Gln | His | Lys | 50 | 55 | 60 | |
| Leu | Arg | Ser | Ala | Val | Glu | Glu | Met | Glu | Ala | Glu | Glu | Ala | Ala | Ala | Lys | 65 | 70 | 75 | 80 |
| Ala | Ser | Ser | Glu | Val | Asn | Leu | Ala | Asn | Leu | Pro | Pro | Ser | Tyr | His | Asn | 85 | 90 | 95 | |
| Glu | Thr | Asn | Thr | Asp | Thr | Lys | Val | Gly | Asn | Asn | Thr | Ile | His | Val | His | 100 | 105 | 110 | |
| Arg | Glu | Ile | His | Lys | Ile | Thr | Asn | Asn | Gln | Thr | Gly | Gln | Met | Val | Phe | 115 | 120 | 125 | |

Ser Glu Thr Val Ile Thr Ser Val Gly Asp Glu Glu Gly Arg Arg Ser
 130 135 140
 His Glu Cys Ile Ile Asp Glu Asp Cys Gly Pro Ser Met Tyr Cys Gln
 145 150 155 160
 Phe Ala Ser Phe Gln Tyr Thr Cys Gln Pro Cys Arg Gly Gln Arg Met
 165 170 175
 Leu Cys Thr Arg Asp Ser Glu Cys Cys Gly Asp Gln Leu Cys Val Trp
 180 185 190
 Gly His Cys Thr Lys Met Ala Thr Arg Gly Ser Asn Gly Thr Ile Cys
 195 200 205
 Asp Asn Gln Arg Asp Cys Gln Pro Gly Leu Cys Cys Ala Phe Gln Arg
 210 215 220
 Gly Leu Leu Phe Pro Val Cys Thr Pro Leu Pro Val Glu Gly Glu Leu
 225 230 235 240
 Cys His Asp Pro Ala Ser Arg Leu Leu Asp Leu Ile Thr Trp Glu Leu
 245 250 255
 Glu Pro Asp Gly Ala Leu Asp Arg Cys Pro Cys Ala Ser Gly Leu Leu
 260 265 270
 Cys Gln Pro His Ser His Ser Leu Val Tyr Val Cys Lys Pro Thr Phe
 275 280 285
 Val Gly Ser Arg Asp Gln Asp Gly Glu Ile Leu Leu Pro Arg Glu Val
 290 295 300
 Pro Asp Glu Tyr Glu Val Gly Ser Phe Met Glu Glu Val Arg Gln Glu
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 Pro Ala Ala Ala Ala Ala Ala Leu Leu Gly Gly Glu Glu Ile
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